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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/526,471	03/03/2005	Natsuo Tatsumi	50389-058	1865
20277 7590 02/25/2008 MCDERMOTT WILL & EMERY LLP 600 13'TH STREET, N.W.			EXAMINER	
			VO, TUYET THI	
WASHINGTON, DC 20005-3096			ART UNIT	PAPER NUMBER
			2821	
			MAIL DATE	DELIVERY MODE
			02/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/526,471 TATSUMI ET AL. Office Action Summary Examiner Art Unit TUYET VO 2821 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 03 March 2005. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-7 is/are allowed. Claim(s) _____ is/are rejected. 7) Claim(s) 8-20 is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

PTOL-326 (Rev. 08-06)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 4/14/06 & 3/3/05.

Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

5 Notice of Informal Patent Application

Application/Control Number: 10/526,471

Art Unit: 2821

DETAILED ACTION

Claim Objections

Claims 8-20 are objected to under 37 CFR 1.75(c) as being in improper form
because they are multiple dependent claims depending other multiple dependent claims 3
and 7 respectively. See MPEP § 608.01(n). Accordingly, the claims 5-10 are not been
further treated on the merits.

Allowable Subject Matter

- Claims 1-7 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: the prior art of record fails to disclose a. NOR element of a design having the cathodes of two or more field emission type microfabricated electron emitters connected in parallel with a low potential power source or ground, two or more anodes corresponding to said emitters connected in parallel to a high potential power source through a passive element or an active element, the two or more anodes being substantially at the same potential, and gate electrodes corresponding to said emitters to be input two or more signal voltages, wherein the potential of said anodes is lowered by electron emission from the emitters when a high potential input signal is input to either of the two signals as required in claim 1 or a NAND element wherein an anode of a first field emission type microfabricated electron emitter and a cathode of a second field emission type microfabricated electron emitter are connected in series and two signal voltages are applied to gate electrodes corresponding to the first emitter and the second emitter so that the anode potential of the second emitter is lowered when the two input signals are high potential in claim 4.
- The prior art made of record and not relied upon is considered pertinent to applicants' disclosure. See PTO-892 form attached.

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Quayle Action

- This application is in condition for allowance except for the following formal matters:
- Claims 8-20 appear in improper multiple dependent claims. Accordingly, the claims 5-10 are not been further treated on the merits.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO**MONTHS from the mailing date of this letter.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuyet Vo whose telephone number is 571 272 1830. The examiner can normally be reached on Mon-Wed and Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens can be reached on 571 272 1662.

The fax phone numbers for the organization where this application or proceeding is assigned are 571 273 8300 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571 272 2800.

Information regarding the status of an application or status information for publicing/unpublicing applications may be obtained from the Patent Application Art Unit: 2821

Information Retrieval (PAIR) system, see http://pair-direct.uspto.gov. Should you have questions on access to the PAIR system, contact the Electronic Business Center (EBC) at toll free 866-217-9197.

/Tuyet Vo/

Primary Examiner, Art Unit 2821

February 19, 2008